

JUSTIFICATION FOR OTHER THAN FULL AND OPEN COMPETITION OVER \$100,000

1. This document is a justification for other than full and open competition prepared by the NASA, John F. Kennedy Space Center.

2. The nature and/or description of the action being approved:

Alpha Spectra, Inc. is the manufacture of the Field Instrument for the Detector of Low Energy Radiation (FIDLER) which most other companies use to attach to their meters for marketing. It has a thick walled machined aluminum housing that provides added durability for field use. The FIDLER detector meets the strict requirement for energy resolution, efficiency, and with its beryllium window, allows detection of the low energy x-rays from the decay of plutonium 238, which is the fuel used in radioisotope power sources. We already have handles and legs to support and hold the detector from our previous inventory of FIDLER detectors, and these have an approximate replacement cost of \$27,000.00. The vendor will also provide storage cases for the FIDLER detectors, which he will customize the Styrofoam inserts cut to fit the detector to protect various other equipment.

3. Description of the supplies or services required (including the estimated value):

This procurement is for 24 FIDLER detectors (Item 20DT063QB2/5) at a unit cost of \$ (\$ total), and 24 Hardigg Storm storage cases (Item im3075) at a unit cost of \$ (\$ total). Alpha Spectra, Inc. will customize the Styrofoam inserts to hold the FIDLER, and accommodate our meters, legs, handles, cables, and spare batteries.

4. Statutory authority permitting other than full and open competition:

This requirement will use the authority of the Test Program for Certain Commercial Items per Section 4202 of the Clinger-Cohen Act of 1996 for actions IAW FAR 13.5 [see FAR 13.501(a)(1)(ii.)]. Only commercial items will be procured and the complexity of the requirement itself is not difficult. Only one responsible source and no other supplies or services will satisfy agency requirements per 10 U.S.C.2304(c)(1).

5. A demonstration that the proposed contractor's unique qualifications or the nature of the acquisition requires use of the authority cited:

This company manufactures the FIDLER detector used by most other suppliers and is a replacement for FIDLERs we previously had; we still have all 28 of the handles and detector support legs that list for close to \$ each. Replacing the existing handles and legs would increase the cost of this procurement by approximately \$27,000.00. The crystal that is used in the FIDLER is only manufactured by Alpha Spectra, Inc. within the United States.

6. Description of the efforts made to ensure that offers are solicited from as many potential sources as practicable:

A notice will be publicized in NAIS/EPS and FBO as required by Subpart 5.2 and the results of the synopsis will be documented in the official contract file. The Consolidated Contracting Initiative Home Page will be reviewed and the results noted in the Procurement file.

7. Determination by the Contracting Officer that the anticipated cost to the Government will be fair and reasonable:

The Contracting Officer will perform a price analysis and will receive an Independent Government Estimate.

8. Description of the market survey conducted and the results, or a statement of the reasons a market survey was not conducted:

Most other suppliers obtain the FIDLER detector from this source to use with their meters. Alpha Spec is the only US manufacturer of the beryllium windowed crystal. A market survey done by internet and technical phone vendor queries indicates no comparable monitoring capability is available from any other vendor that meets the Government's minimum requirement. Additionally, this procurement is to supplement existing hardware in use at KSC. Choosing another vendor, if it were found that they could meet the Government's requirements, would introduce unacceptable delays in terms of time and testing to ensure a combination of the two systems would be compatible and ensure mission success. Additional costs would also be incurred in coordinating, performing and evaluating such a compatibility test, as well as in training personnel how to use or repair the different instrument. Using another system would introduce unacceptable risk that may lead to mission failure or undue public safety issues.

9. Other facts supporting the use of other than full and open competition, such as:

None.

10. A listing of sources, if any, that expressed in writing an interest in the acquisition:

Alpha Spectra, Inc., Grand Junction, CO

11. A statement of the actions, if any, the Agency may take to remove or overcome any barriers to competition before any subsequent acquisition for the supplies or services required:

A market survey done by internet and technical phone vendor queries indicates no comparable monitoring capability is available from any other vendor of this commercial product. Also, the requirement will be synopsized and results noted in the procurement file to ensure that there are no other contractors that can meet the Government's minimum requirement.

Technical Officer:

I certify that the supporting data presented in this justification are accurate and complete.



Randall Scott
KSC Radiation Protection Officer

12-7-2010
(Date)

Contracting Officer:

I certify that this justification is accurate and complete to the best of my knowledge and belief.



Jacklyn L. Norman
Contracting Officer

12/9/10
(Date)